

## YellowScan Catalog

Revision : 29/04/2016

YellowScan® Core Systems include multi-echo LiDAR sensor, GNSS RTK+PPK receiver, bi-frequency L1/L2, calibrated IMU, embedded computer, 2 integrated batteries, power and data cables, data pre-processing software to produce geo-referenced point cloud.

### YellowScan® Mapper Core System

Weight : 2.1kg battery included  
Size : L 172mm x W 206mm x H 147mm  
Autonomy : 2h typ.  
Warranty : 1 year return to factory



### YellowScan® Surveyor Core System

Weight : 1.5kg battery included  
Size : L 100mm x W 150mm x H 140mm  
Autonomy : 1.5h typ.  
Warranty : 1 year return to factory



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### Products & Accessories

Ref.	Label	Description
YSMAP1.1-en	YellowScan® Mapper Core System	<ul style="list-style-type: none"> <li>- multi-echo LiDAR sensor</li> <li>- GNSS RTK+PPK receiver, bi-frequency L1/L2</li> <li>- calibrated IMU</li> <li>- embedded computer</li> <li>- integrated battery (plus one spare)</li> <li>- power and data cables</li> <li>- data processing software</li> <li>- 1-year warranty</li> </ul>
YS-SUR-en	YellowScan® Surveyor Core System	<ul style="list-style-type: none"> <li>- multi-echo LiDAR sensor</li> <li>- GNSS RTK+PPK receiver, bi-frequency L1/L2</li> <li>- calibrated IMU</li> <li>- embedded computer</li> <li>- integrated battery (plus one spare)</li> <li>- power and data cables</li> <li>- data processing software</li> <li>- 1-year warranty</li> </ul>
CAM_YS	Camera for YellowScan system (external)	<ul style="list-style-type: none"> <li>- 16.2MP APS-C CMOS sensor, Fixed 18.5mm (28mm equivalent) F2.8 lens - 3.0" 1.2m dot LCD, 12-bit Raw in DNG format</li> <li>- adaptation for external trigger</li> <li>- adaptation for synchronization with LiDAR data</li> <li>- mounting bracket</li> </ul>
TX1-en	Pair of RF radio-modem	for RTK transmission
BAT1	Additional battery	for YellowScan Core System

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### Services Packs

	BASIC	STANDARD	PRO
Warranty	1 year	3 years	3 years
On Site Training	2 days	2 days	4 days
Annual Healthcheck	Yes	Yes	Yes
Remote Training and Support Tickets	1 year (5 hours)	1 year (5 hours)	3 year (15 hours)
Loan during Repair	No	No	Yes
Battery Replacement	No	No	Yes

Ref.	Label	Description
Pack1	Pack Service Basic	<ul style="list-style-type: none"> <li>- 2-day Getting Started training.</li> <li>- 1 remote healthcheck</li> <li>- Remote Consulting Support up to 5 hours</li> </ul>
Pack2-MAP-3Y	Pack Service Standard for YellowScan Mapper	<ul style="list-style-type: none"> <li>- 2-day Getting Started training.</li> <li>- 1 extended Full Warranty (3 years instead of 1 year)</li> <li>- 3 annual remote healthchecks</li> <li>- 1-year Remote Consulting Support up to 5 hours</li> </ul>
Pack2-SUR-3Y	Pack Service Standard for YellowScan Surveyor	<ul style="list-style-type: none"> <li>- 2-day Getting Started training.</li> <li>- 1 extended Full Warranty (3 years instead of 1 year)</li> <li>- 3 annual remote healthchecks</li> <li>- 1-year Remote Consulting Support up to 5 hours</li> </ul>
Pack3-MAP-3Y	Pack Service Pro for YellowScan Mapper	<ul style="list-style-type: none"> <li>- 1 Expert Onsite Training (4 days instead of 2).</li> <li>- 1 extended Full Warranty (3 years instead of 1 year)</li> <li>- 3 annual remote healthchecks</li> <li>- 3-year Remote Consulting Support up to 15 hours</li> <li>- Unit Loan during repair time</li> <li>- 3-year battery warranty</li> </ul>
Pack3-SUR-3Y	Pack Service Pro for YellowScan Surveyor	<ul style="list-style-type: none"> <li>- 1 Expert Onsite Training (4 days instead of 2).</li> <li>- 1 extended Full Warranty (3 years instead of 1 year)</li> <li>- 3 annual remote healthchecks</li> <li>- 3-year Remote Consulting up to 15 hours</li> <li>- Unit Loan during repair time</li> <li>- 3-year battery warranty</li> </ul>

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### Services Options

Ref.	Label	Description
PEM2-Site-en	Getting Started Onsite Training	2-day training at the Customer's premises. Includes survey planning, operation of the YellowScan unit, pre-processing to a georeferenced point cloud using the YellowReader software, elements of interpretation. Recommended for advanced operators. Beginners should get the 4-day training. Does not include travel costs.
PEM4-Site-en	Advanced Onsite Training	Expert training at the Customer' s premises. Including survey planning, operation of the YellowScan unit, pre-processing to a georeferenced point cloud using the YellowReader software, elements of interpretation, system calibration, data classification, accuracy assessment and quality control, example of applications (forestry, corridor mapping, topography).
CALIB	Remote Healthcheck service for Core System	- in-flight calibration of boresight angles, - general check-up of all components This calibration should be done yearly to ensure accurate operation
RemAssist-1Y-5H	Remote Assistance	1-year Remote Consulting Support (Training Refresh, Operations Advices) for 5 hours
RemAssist-3Y-15H	Remote Assistance	3-year Remote Consulting Support (Training Refresh, Operations Advices) for 15 hours
RT1	YellowScan® System rental with operator assistance	Rental of the YellowScan® ultralight LIDAR system for UAV with the assistance of one engineer per day on site
INST-en	Integration to UAV support	Engineer day
PP	Data post processing	Processing of raw Lidar data per day